

Remarks/Arguments:

These Remarks are in reply to the Office Action mailed July 22, 2003. An appropriate Petition for Extension of Time to Respond is submitted herewith, together with the appropriate fee.

Claims 1-14 were pending in the Application prior to the outstanding Office Action. In the Office Action, the Examiner rejected claims 1-14. Reconsideration of the rejections is requested.

Claims 1-14 are apparently rejected under 35 U.S.C. § 112 for having inadequate disclosure of storing cookies or information in a repository. The use of a cookie repository is described in the present invention's specification on page 3, lines 2-17. This page provides adequate disclosure for one skilled in the art to produce a cookie repository. The cookie repository can be something as simple as a memory searchable by session ID to find a cookie associated with that session ID. This can be done with a conventional database or another memory system. For this reason, these claims are believed to be adequately supported.

Claims 1-14 are rejected under 35 U.S.C. § 103(a) as being unpatenable over Wagner, U.S. Patent 6,085,224 in view of McGee, U.S. Patent 6,393,468. The Applicant respectfully traverses this rejection.

Wagner, in column, 2 and 3, describes prior art systems for dealing with cookies. Cookie data can be placed in the HTTP headers of incoming HTML files. Browsers can then store the cookie data and provide the cookie data in an HTTP header of an outgoing HTML GET or PUT request to the web page server. This allows the web site to track the user.

Wagner also describes known programs that strip away the cookies from the HTTP headers of an incoming file, so that it is not passed to a browser program. Note that the cookie is not stored with these programs. The known programs can also strip away previously stored cookies from the HTTP header of an outgoing HTML GET or PUT request. Again, the cookies are striped from the outgoing request and not stored. The device described in column 2, line 54 to column 3, line 14 of Wagner, has no need to store a cookie. This device attempts to avoid the

storing of the cookie at the browser and to prevent previously stored cookies from being sent to the outside web sites.

McGee describes a system in which for security reasons, normal URLs are replaced by randomized token values at the server. The randomized token values provide security for the system because it is impossible for the client to determine the real URL from the token. The server stores associations between the real URL and the token value and then can provide web pages in which the URL has been converted into token values. This system has nothing to do with cookies.

It would not be obvious from a combination of McGee and Wagner to produce the present claims.

Claim 1 includes a step of stripping off cookies, storing the cookies in a repository, producing a modified page, and then sending the modified page to a client. Claim 2 includes removing cookies, storing information contained in the cookie in a repository and sending a response page to the client browser.

The cookie repository of the claimed invention allows the cookie to be maintained at a server rather than at the client. The server can get web pages from web sites that require cookies but the cookies need not be kept on a client.

Neither Wagner nor McGee alone or in combination disclose, suggests or give a motivation for such a system. In particular, neither Wagner nor McGee discloses or suggest storing a stripped off cookie or information from a cookie in a repository and then sending a modified page to a client. Normal browsers store cookies at the browser of a client. The browser does not formulate a modified page. In Wagner, the cookies are stripped away but they are not stored. McGee does not describe storing the cookie or information of a cookie in a repository.

For the above reasons, claims 1 and 2 are believed to be allowable. Claims 3-13 are dependent upon claim 2 and for that reason are believed to be allowable.

Claim 2 includes appending a unique session ID to each URL in a response page before sending the response page to a client browser. Claim 14 includes appending an identifier to each

link in the document and sending that document to the client, the identifier identifying information stored in the repository for the client.

Neither Wagner nor McGee alone or in combination disclose such limitations. In particular, McGee describes a system in which the real URL is replaced by a random token. The server of McGee stores a correspondence between the real URL and the token.

There is a significant difference to in replacing a URL with a token, rather than as claimed in the present invention appending a session ID. Appending a session ID would frustrate the purpose of the McGee reference. McGee reference is a data access control system. The purpose of replacing URL with a token in the McGee system is to prevent the client from knowing the real URL. If the token of the McGee would be appended to the URL, the client can determine the real URL.

Appending the session ID to the URL has advantages for the present invention. Appending the session ID to the URL allows the server to recover from a server data failure. Even if the stored data for the serve is erased, the server can still strip away the session ID and request the information at the URL without cookies. When the URL replaced by a token upon a server data failure, the server is unable to determine the URL. Additionally, the client user can get an indication of the real URL and thus avoid clicking on it if the URL appears to be undesirable.

For the above reasons claim 2 and claim 14 are believed to be allowable. Claims 3-13 are believed to be allowable because they are dependent upon claim 2.

For the above discussed reasons claims 1-14 are believed to be allowable and such is respectfully request.

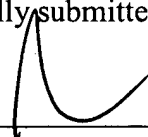
In light of the above, it is respectfully submitted that all of the claims now pending in the subject patent application should be allowable, and a Notice of Allowance is requested. The Examiner is respectfully requested to telephone the undersigned if he can assist in any way in expediting issuance of a patent.

Enclosed is a PETITION FOR EXTENSION OF TIME UNDER 37 C.F.R. § 1.136 for extending the time to respond up to and including up to December 22, 2003.

The Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 06-1325 for any matter in connection with this response, including any fee for extension of time, which may be required.

Respectfully submitted,

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By: 
Joseph P. O'Malley
Reg. No. 36,226

FLIESLER DUBB MEYER & LOVEJOY LLP
Four Embarcadero Center, Fourth Floor
San Francisco, California 94111-4156
Telephone: (415) 362-3800